214.016
1968.11

State of California

THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF FORESTRY



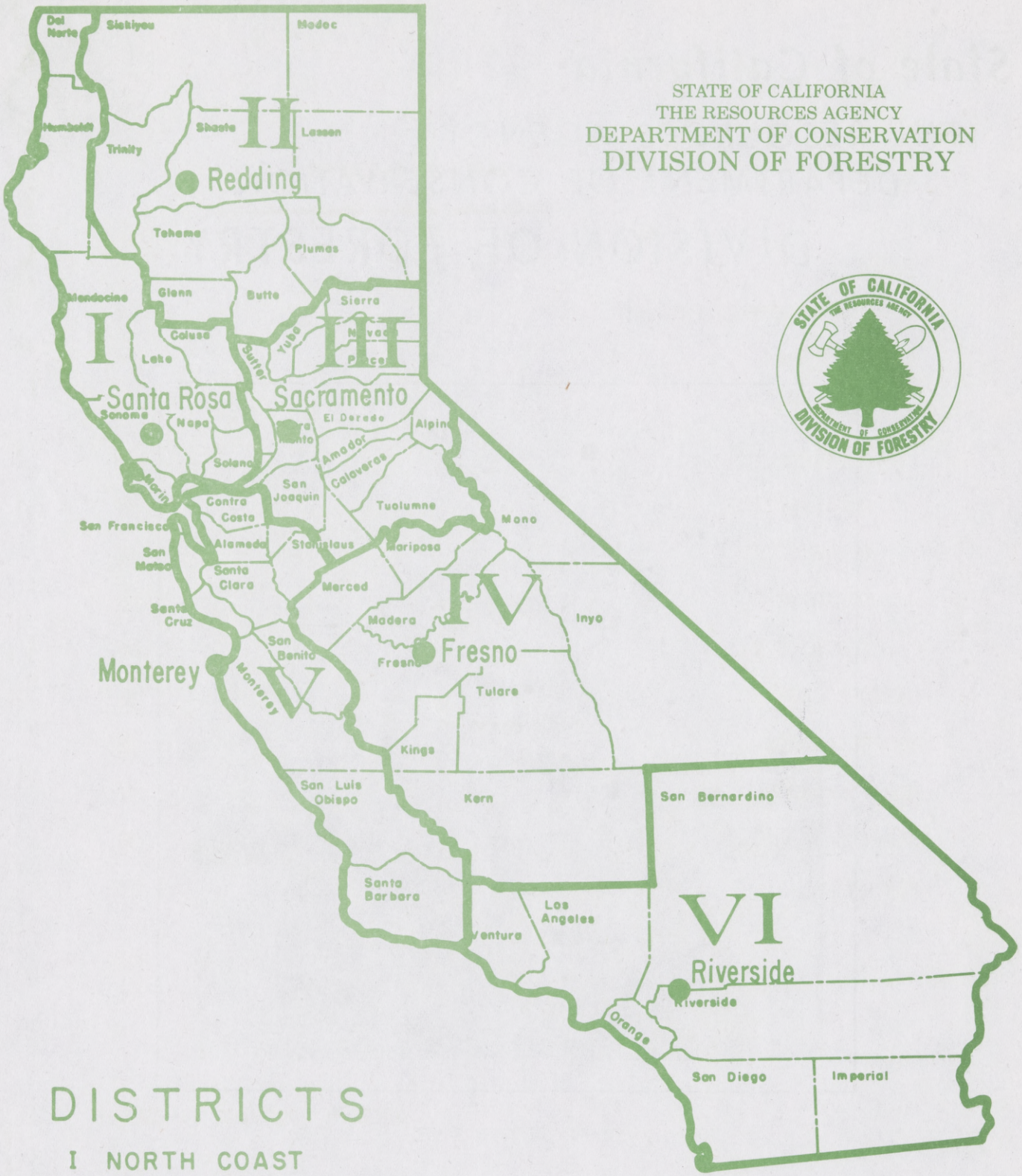
FRED M. DUNOW, DEPUTY STATE FORESTER

DISTRICT III, SACRAMENTO

AUGUST - SEPTEMBER - OCTOBER - NOVEMBER 1968
VOL. 28/27 - NOS. 7, 8, 9, & 10

News Letter

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF FORESTRY



DISTRICTS

I NORTH COAST

II SIERRA CASCADE

III CENTRAL SIERRA

IV SAN JOAQUIN

V CENTRAL COAST

VI SOUTHERN CALIFORNIA

TABLE OF CONTENTS

	PAGE
COVER	1
SACRAMENTO ADMINISTRATION	2
DISTRICT NEWS	
DISTRICT I	8
DISTRICT II	12
DISTRICT III	17
DISTRICT IV	19
DISTRICT V	24
DISTRICE VI	26
CARTOON PAGE	31
MISCELLANEOUS	32
MERIT AWARDS	37
SAFETY	38
PERSONNEL	41

EDITOR: RICHARD J. ERNEST

BIOGRAPHY
of

FRED M. DUNOW, DEPUTY STATE FORESTER
DISTRICT III, SACRAMENTO

November, 1968

Fred Dunow was born in Auburn, Placer County, on August 19, 1905. His parents owned a large fruit and cattle ranch in that area.

Fred started his career at an early age of 10 years as a fire fighter and a water buck working under Rangers Al Frost and Ed Watts.

He attended Placer Union High School in Auburn. He played basketball under Coach Earl Crabb. During the years that Fred played basketball, Placer Union High School's basketball team played in the finals of the California Championship play-offs three years running!

After graduation from Placer Union, Fred attended the University of California at Berkeley, majoring in Forestry. He graduated in 1931 with a B.S.F. Upon graduation from college, Fred went to work for the California Division of Forestry in Oroville, Butte County, in May of 1931.

In 1932 he was transferred to La Mesa, San Diego County. Here, Fred moved back and forth between La Mesa and the District Office in Pasadena several times on special assignments. The single men's labor camps were being used on the start of the Truck Trail and fuelbreak system. Thus "Ponderosa Way" was born. The labor camps were followed by the S.E.R.A. and the C.C.C. Camps.

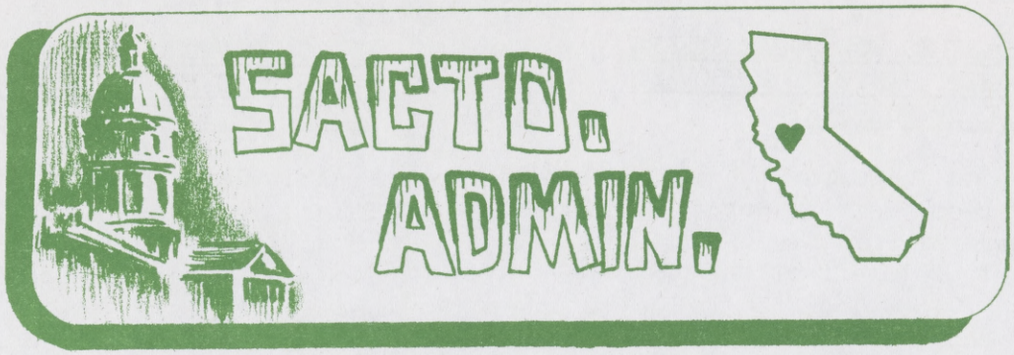
In 1934 Fred was transferred to the Sacramento Office to work on the first master fire plan. About this time the five District offices were closed and their functions moved to the Sacramento office. The Division of Forestry's budget was still less a half million dollars.

Also in 1934, Fred married Clara Cook of Pasadena, California in Anaheim. At the present time, Fred and Clara have two grown children. They are Bruce, who works for the Board of Equilization in Sacramento and Tom, who is a Deputy Real Estate Commissioner in San Bernardino.

In 1936 Fred was placed in charge of collecting fire patrol funds under the Compulsory Patrol Act (313). Two cents per acre was collected on all private forest lands.

In 1943, Fred was assigned as Deputy State Forester in charge of the Central Sierra District. His staff consisted of one other person, "Vivien Woods." His tenure as a Deputy State Forester is now moving into 26 years, all in the same District.

At the present time, when Fred is not being Deputy, he plays at golf, hunts, and fishes but has given up on some other things.



FORESTRY'S LOSS IS REAL ESTATE'S GAIN

Walter P. Bemis, Forester III, resigned from State service effective July 19, 1968 to meet the challenges of wildland development in the real estate field. Walt now works for the investment division of the real estate firm, Tom Kiernan Company, with office at 2100 Capital Avenue, Sacrmaneto. His many friends joined in wishing him success in his new career and bid him farewell at a luncheon in Sacramento on July 19.

Walt began his employment with the Division in 1947 as a firefighter in Napa County. Later he worked as a forest firefighter, fire truck driver and foreman in Shasta County. After serving with the U.S. Army in Korea he returned to District II for a variety of firefighting work in Shasta County and subsequently completed his forestry education at the University of California under the GI Bill. For eight years he worked in District III as a forestry trainee and service forester. Since 1965 he has been a part of the State Forester's Staff in the Forest and Range Management Section in Sacramento supervising service forestry and State Forest activities on a statewide basis.

Walt has had a long and distinguished career with the Division. The Division has gained much from his efforts over the years, and will surely miss this man of action.

The Division's best wishes go to Walt and his family for a prosperous, happy, and successful future.

EMERGENCY REGULATIONS ADOPTED BY THE BOARD OF FORESTRY

The Board of Forestry on September 18, adopted emergency regulations to tighten requirements regarding the conversion of timberland to another use. The Forest Practice Act allows such conversion for legitimate reasons and exempts those operations from rules governing timber cutting. Recent increases in export of logs has caused an upturn in conversion of timber land. The new regulations were approved to prevent the misuse of the conversion provision.

CURRENT TIMBER SALE OPERATIONS

All current timber sale operations have met their mid-season quotas. The volumes removed as of August 31, 1968 are:

Berry Gulch #3---
5,214,930' net scale

South Fork of Noyo #2---
7,936,780' net scale

Caspar Creek #11---
4,531,540' net scale

Caspar Creek #12---
4,664,620' net scale

Marking for 1968 timber sale in Jughandle Creek is completed and cruising is underway. Cruising of Chamberlain Creek #5 is completed.

AMENDED RULES FOR SOUTH SIERRA PINE FOREST DISTRICT APPROVED BY BOARD OF FORESTRY

Amended fules for the South Sierra Pine Forest District were approved by the Board of Forestry on July 18, and went into effect on August 22.

The Board also heard special reports from the State Forester on enforcement of the Forest Practice Rules during the past 18 months and progress in developing stricter criteria for administration of timberland conversion affidavits.

FOREST PEST CONTROL

Representatives of the California and Nevada Divisions of Forestry and the U.S. Forest Service met with officials and citizens of the South Lake Tahoe area October 25 to discuss damage caused to trees by pests. A scale has infested many Jeffrey and lodgepole pines in recent months, and general damage is being caused by other insects and disease because of increasing urbanization. Plans were laid to study the scale infestation so that if necessary control measures can be taken next spring. A public education program and other steps will be taken to promote better care of trees, which will prevent pest damage.

WATERSHED MANAGEMENT

The CDF assisted and participated in a vegetation-soil symposium sponsored by the Department of Conservation on October 24 at Lake Tahoe. Experts in use of vegetation for watershed protection from 17 public and private organizations were on the program. The accumulation of this information should be helpful in promoting better land-use practices in the Lake Tahoe Basin.

MR. C. RAYMOND CLAR OF STATE FORESTER'S STAFF RECEIVES A LETTER OF THANKS

Mr. Clar, of the State Forester's Staff, received the following letter of thanks after he aided Mr. F. E. Lewis in a research paper:

"Frank E. Lewis, Special Agent
221 So. Oregon Street
Yreka, California

Mr. C. Raymond Clar
California State Division of
Forestry
Sacramento, California

Dear Mr. Clar:

May I thank you very much for your assistance in my research on the Moffitt Creek Camp article? Without your assistance, I am sure many interesting facts would have been omitted.

Ranger Ralph Smith came to my home yesterday to read my finished article for I felt he should verify the facts before mailing the copy to you.

Rather than include too many interesting incidents, I tried to put down the facts with only a few happenings. One thing for sure, you were correct in your statement that we had on our hands a tough group of men. A copy is being given to the Siskiyou County Historical Society and it may appear in the 1968 year book.

Thank you again.

Sincerely,

/signed/ F. E. Lewis"

BOOKS GOING TO PRESS

The first galley proofs of a new Division of Forestry publication have been received from the State printer. This will be Ray Clar's sequel volume to California Government and Forestry which was published in 1959. The new book picks up the history at 1927 and will be titled Forestry and California State Government. The only reason it is not "volume two" is because the first was not identified as "volume one."

This book will have to be limited to about 350 pages in order to keep the cost within the budget item provided. It might be noted, however, that no one has ever criticized the cost of either of these projects, to our knowledge.

Ray has also devoted his vacation and week-ends to a private book which will be on the market in February. This will be a strictly limited printing of a very deluxe biorgaphy of his pioneer grandfather, titled "Quarterdecks and Spanish Grants." What started as a very small publication venture by a small group around Sacramento which calls itself The Aldine Society, grew into a fancy illustrated "collector's item" of about 30,000 words. This will make it cost in the neighborhood of $25 a copy. Ray says that any of his wealthy fans who are interested should drop a note to The Aldine Printing Society, Box 41007, Sacramento.

FOREST PRACTICE

New regulations governing private timber operations in the Coast Range Pine and Fir Forest District were adopted by the Board of Forestry after a public hearing on August 21 in Eureka. These rules will go into effect on September 27.

The Board at the Eureka meeting also approved three alternate plans from two companies within the Redwood Forest District. They will cut all trees, instead of leaving the number of seed trees required by the Forest Practice Rules. Seeding or planting of the logged areas will provide for regeneration of the next crop.

RANGE IMPROVEMENT

The 1967 Brushland Range Improvement Report for the Division of Forestry was released during August. Range improvement burns by ranchers in 1967 numbered 180 and covered 65,028 acres. The Division continued cooperative field studies in Tehama, Amador, and San Luis Obispo Counties, and started a new one in Riverside County.

STATE FORESTS TREE SALES

Two sales of Chirstmas trees from Latour State Forest in Shasta County were made on September 30 by competitive bidding. Standing trees on one sale area were sold for $1.26 each and on the other area for $1.06. The revenue expected from the 6,335 trees is $7,286.

On Jackson State Forest in Mendocino County, a sale of 14.6 million feet of timber valued at $554,000 was made on October 15.

★★★★★★★★★★

If you could kick the person responsible for most of your troubles, you wouldn't be able to sit down for six months.

★★★★★★★★★★

JULY 1968 ACERAGE BURNED IS SLIGHTLY HIGHER THAN THE FIVE YEAR AVERAGE

There were 978 Forest fires that burned 33,804 acres of timber, watershed and range lands during July 1968. This compares to the five-year average figures of 869 fires and 21,341 acres burned.

The following large fires occurred during the month:

July 1 - 210 Acres in Alameda County near Castro Valley.

July 1 - 700 Acres in San Luis Obispo County near Paso Robles.

July 2 - 115 Acres in Yuba County near Loma Rica.

July 5 - 680 Acres in Tulare County near Springville.

July 5 - 200 Acres in San Luis Obispo County near Shandon.

July 6 - 200 Acres in Lassen County near Likely.

July 6 - 350 Acres in Lan Luis Obispo County near San Miguel.

July 7 - 294 Acres in San Luis Obispo County near Shandon.

July 10 - 125 Acres in Madera County near Coarsegold.

July 10 - 185 Acres in Monterey County near Salinas.

July 10 - 135 Acres in San Diego County near El Cajon.

July 11 - 160 Acres in Tuolumne County near Columbia.

July 11 - 400 Acres in Tuolumne County near Tuolumne.

July 11 - 1,340 Acres in Tuolumne County near Tuolumne.

July 12 - 8,520 Acres in Mariposa County near Planada.

July 12 - 1,100 Acres in Riverside County near Banning.

July 13 - 185 Acres in Mendocino County near Yorkville.

July 13 - 200 Acres in Tehama County near Red Bluff.

July 13 - 295 Acres in Alameda County near Livermore.

July 17 - 1,500 Acres in Siskiyou County near Montague.

July 17 - 550 Acres in Kern County near Isabella.

July 18 - 850 Acres in Colusa County near Arbuckle.

July 18 - 1,120 Acres in Solano County near Vacaville.

July 18 - 690 Acres Fresno County near Mendota.

July 18 - 250 Acres in Orange County near Laguna Beach.

July 19 - 125 Acres in Calaveras County near Mokelumne.

July 19 - 2,000 Acres in San Luis Obispo County near Santa Margarita.

July 20 - 920 Acres in El Dorado County near Placerville.

July 20 - 2,180 Acres in Madera County near Coarsegold.

July 21 - 152 Acres in Solano County near Vacaville.

July 21 - 102 Acres in Nevada County near north San Juan.

July 22 - 450 Acres in Tulare County near Lemon Cove.

July 22- 281 Acres in Monterey County near Parkfield.

July 22 - 270 Acres in Riverside County near Sunnymead.

July 23 - 322 Acres in Tehama County near Corning.

July 24 - 140 Acres in Fresno County near Auberry.

July 25 - 475 Acres in Santa Clara County near San Jose.

July 26 - 147 Acres in San Luis Obispo County near Templeton.

July 27 - 780 Acres in Glenn County near Elk Creek.

July 27 - 488 Acres in Calaveras County near Angles Camp.

July 28 - 306 Acres in Calaveras County near Mountain Ranch.

July 29 - 680 Acres in Monterey County near Parkfield.

July 29 - 800 Acres in Alameda County near Livermore.

AUGUST 1968 ACERAGE BURNED IS SLIGHTLY HIGHER THAN THE FIVE YEAR AVERAGE

During August 1968 there were 883 forest fires that burned 18,408 acres of timber, watershed, and range lands. This compares to last year's figures of 848 and 22,025; and to the five-year average of 757 fires and 21,440 acres burned.

The following large fires occurred during the month:

August 2 - 380 Acres in Madera County near Raymond.

August 2 - 350 Acres in San Luis Obispo County near Santa Margarita.

August 3 - 120 Acres in Humboldt County near Petrolia

August 3 - 1,776 Acres in Riverside County near Temecula.

August 7 - 300 Acres in Fresno County near Friant.

August 7 - 200 Acres in San Luis Obispo County near Santa Marguarita.

August 7 - 200 Acres in San Luis Obispo County near Paso Robles.

August 8 - 390 Acres in Humboldt County near Alderpoint.

August 8 - 490 Acres in Humboldt County near Phillipsville.

August 8 - 115 Acres in Humboldt County near Alderpoint.

August 8 - 1,749 Acres (1,733 CDF - 16 USFS) in San Diego County near Pala.

August 10 - 1,321 Acres in Shasta County near Whitmore.

August 24 - 275 Acres in Fresno County near Coalinga.

August 24 - 590 Acres in Alameda County near Pleasanton.

August 24 - 1,850 Acres in San Diego County near El Cajon.

August 29 - 1,680 Acres in Yolo County near Woodland.

August 31 - 485 Acres in Madera County near Los Banos.

SEPTEMBER 1968 ACREAGE BURNED IN CALIFORNIA

During Spetember 1968 there were 599 fires that burned 29,744 acres of timber, watershed and range lands protected by the CDF. This compares to 528 fires and 7,224 acres burned last year and to the five year average figures of 553 fires and 67,517 acres burned.

The following large fires occurred during the month:

September 1 - 358 Acres in Mariposa County near Merced Falls.

September 2 - 435 Acres in San Benito County near Gonzales (includes 160 acres within the Pinnacles National Monument).

September 6 - 220 Acres in San Benito County near San Juan.

September 8 - 140 Acres in Calaveras County near San Andreas.

September 10 - 400 Acres in Mariposa County near Ahwahnee.

September 10 - 6,364 Acres in Riverside County near Banning (3,732 acres State and 2,632 acres Federal).

September 13 - 2,000 Acres in Solano County Fairfield.

September 15 - 200 Acres in Santa Clara County near Morgan Hill.

September 16 - 1,450 Acres in Colusa County near Williams.

September 16 - 350 Acres in Lake County near Middletown.

September 17 - 200 Acres in Placer County near Weimar.

September 17 - 200 Acres in Monterey County near Gonzales.

September 18 - 250 Acres in El Dorado County near Shingle Springs.

September 22 - 1,415 Acres in Tulare County near Lindsay.

September 24 - 350 Acres in Calaveras County near Valley Springs.

September 25 - 110 Acres in Contra Costa County near Berkeley.

September 25 - 430 Acres in San Bernardino County near East Highlands.

Setpember 25 - 1,804 Acres in San Diego County and Riverside County near Fallbrook.

September 26 - 311 Acres in San Luis Obispo County near Atascadero.

September 28 - 200 Acres in Butte County near Chico.

September 28 - 10,600 Acres in Yuba County near Loma Rica.

OCTOBER ACREAGE BURNED THIS YEAR LESS THAN LAST YEAR

During October 1968 there were 281 forest fires that burned 2,838 acres of timber, watershed, and range lands protected by the California Division of Forestry. This compares with 413 fires and 105,367 acres burned last year and with the five-year average figures of 345 fires and 29,704 acres burned.

The following large fires occurred during the month:

October 1 - 200 Acres in Santa Clara County near Mission San Jose.

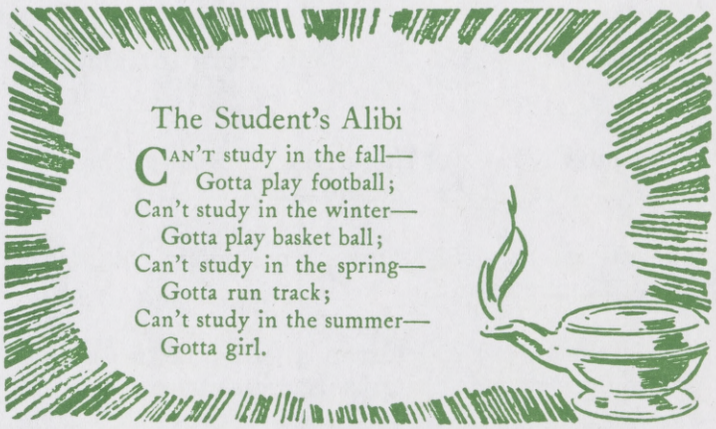
October 1 - 276 Acres in San Luis Obispo County near Shandon.

October 5 - 176 Acres in Orange County near Laguna Beach.

October 9 - 250 Acres in Shasta County near Bella Vista.

October 15 - 150 Acres in Riverside County near Sunnymead.

October 16 - 328 Acres in Riverside County near Murietta.





THE LEGGETT F.F.S. CREW IS CREDITED WITH A SUCCESSFUL RESCUE

In Mendocino County, the Leggett F.F.S. crew is credited with a successful cliff resuce. A 12 year old boy and his father were camping near Leggett when the boy fell, at night, over a bluff along the Eel River. The youth slid some 60 feet and managed to grab a root, stopping his fall, which would have been a sheer drop of 80 - 100 feet. Our fire crew responded and lowered by rope and a crewman who brought the boy to the top.

FIRE PREVENTION RESEARCH STATISTICS

So far this year, forest fire causes have changed somewhat from the usual. Children and Matches is now the number one cause, some 22%, closely followed by incendiary at 20%. As can be expected, the Children and Matches cause follows the population pattern in the Ranger Units. Sonoma County, with the most fires, followed by Napa, Mendocino, Lake (summer population) and Humboldt.

DR. LEE WENSEL AND EARL SECHRIST VISIT JACKSON STATE FOREST

Dr. Lee Wensel, Professor of Mensuration at the University of California, spent two days touring Jackson State Forest viewing the logging operations and other forest activities. Mr. Earl Sechrist, Sacramento, accompanied Dr. Wensel.

TIMBER SALE HELD

The Parlin Creek-Hare Creek Truck Trails timber sale was held with Thrasher Lumber Co, of Calpella the successful bidder. Thrasher paid a lump sum price of $36.69 per thousand board feet for the 429,530 feet.

Volumes removed as of July 31, 1968, from the current timber sales are:

Berry Gulch #3
3,526,386 FBM net scale

South Fork of Noyo #2
7,936,780 FBM net scale

Caspar Creek #11
4,051,370 FBM net scale

Caspar Creek #12
3,665,850 FPM net scale

LAW ENFORCEMENT IN DISTRICT I

Donald Harwood 24, Kelseyville, Lake Ranger Unit, was found guilty on six counts and not guilty on one count of Forest Arson on September 14, 1968. Harwood, a former member of the Kelseyville Volunteer Fire Department, was arrested November 4, 1967, by FPO Donald R. Bishop. He was charged with starting seven grass and brush fires between July 11 and September 5 of last year.

DISTRICT I LOSES A YOUNG FIREFIGHTER

July 4, 1968 was a sad day for all in District I due to the death of Firefighter Bruce Mecchi, age 18, Santa Rosa. Bruce, stationed at the Healdsburg F.F.S., died enroute to the hospital from injuries received when the fire truck he was riding, enroute to a fire, slid off the road and rolled over. The driver and firefighter in the cab received minor injuries. The truck, a 4-wheel drive International, is a total loss.

A GOING AWAY LUNCHEON HONORS TWO IN DISTRICT I

A going away luncheon was held in Santa Rosa for Mrs. Thelma Ensor and Bill Van Dusen. Thelma who has been with the Division as an accountant for seven years moved to Sacramento to work as a School Apportionment Analyst for the Department of Education. Bill, with District I four years as an Associate Ranger, Law Enforcement, was promoted to Fire Prevention Officer IV, Law Enforcement, Fresno Districe Office.

LAW ENFORCEMENT IN MENDOCINO AND HUMBOLDT COUNTIES

Two complaints, one each in Mendocino and Humboldt Counties, for operating equipment without a spark arrestor were successfully completed. The defendant in Humboldt was given a 30 day suspended sentence and probation. In Mendocino, the defendant failed to appear and forfeited $59 bail. Also in Mendocino, the Hollow Tree Lumber Co. was charged with violation of PRC 4374, maintaining a rubbish dump without clearance, and PRC 4422, allowing a fire to escape. A guilty plea was entered and the company was fined $300 with $200 suspended provided the company obeys all fire laws.

DISTRICT I PERSONNEL RECEIVE LETTER OF THANKS

The following letter was received by the State Forester's Office commending the actions of Mr. Nick Malahousky of the Glen Ellen Station:

"Francis H. Raymond, State Forester
Dept. of Conservation
Division of Forestry
Sacramento, California

Dear Sir:

On the night of July 4, 1968, I was involved in an incident concerning one of Forestry's Fire truck-driver, Mr. Nick Malahousky, Sonoma Co. Unit, Glen Ellen Station, and approximately fifteen persons.

I had observed fireworks (rockets) being set off near our mountain property, which is on Trinity Road near Glen Ellen in a high Fire Hazard Area. I notified Mr. Malahousky of the Glen Ellen Station, who took prompt action in preventing a fire, and I believe did a fine job in educating the people concerned in fire prevention.

I wish to commend Mr. Malahousky for his action and very fine job in Public Relations. I am sure it reflects another fine job done by the Division of Forestry.

Sincerely,

/signed/
Cliff Reed
901 Trinity Road
Glen Ellen, Cal.

SMOKEY BEAR PILOT IN PARADE

The Fortuna Assistant Ranger District received an honorable mention award for the entry in the annual Fortuna Rodeo Parade. The entry was a mock, engin driven, air tanker with Smokey Bear as its pilot.

FPO TIMOTHY HUFF RECEIVES A GRATEFUL LETTER FROM PARENTS

The following letter was received by Ranger Mann of the Mendocino Ranger Unit commending the actions of FPO Timothy Huff:

"To Whom It May Concern:

On July 25 of this year, an incident occurred at Usal Beach involving a member of the Forestry Service - Tim Huff of Willits, and six children who were camped in the area at that time. The children went for a hike early that morning and ended up on the bluffs above the beach in the late afternoon. They called to some people on the beach that they were stuck and couldn't get down. They were of course, tired and scared. One man on the beach tried to help them down, but it was so steep that he couldn't reach them. As it happened, Tim Huff was there on a vacation camping trip, he went around the hill from behind where the children were and managed to get to them. One little girl was stuck and could not get up or down and no one could get to her. She was scared and scratched up, but he hung his jacket down and told her to hang on to it and he would pull her up until he could reach her. When this was done and she was out of danger, Mr. Huff too was pertty badly scratched from the rocks; but he proceeded to take the children down the hill to safety-talking and joking with them so they wouldn't be more afraid. Once they were all on safe ground again, he took them to his camp, gave them all a coke, and sent them safely home.

As the parents of those children, we have nothing but praise for Mr. Huff, not only for the fact that he was in the right place at the right time, but also for the fact that he had the courage and presence of mind to rescue our "lost lambs."

What could have very easily ended in a disaster for those children, had Mr. Huff not been there, turned out to be an adventure that the children talked about for days.

This act of kindness was enough to cause us to have the highest regard for our friend "the ranger," even if we had never seen him again. We did see him again, however, the following week. This time he was not on vacation himself, but was back in the Usal area on official business. He stopped in at our camp, passed out fire prevention color books and "Smokey Bear" pins to the children and talked to them for awhile. He showed them the Forestry truck and let them blow the siren, this last gesture won him the lasting admiration of the boys. He asked about the girl who had been stuck, by name, although she wasn't there at the time.

We are very happy to know that people like Mr. Huff are around and willing to help when needed, not only in the course of their duty but also at other times as well. Incidents like this one help the children to realize that the Forest Rangers are their friends, and in doing so makes them more likely to pay attention to the safety rules and fire prevention measures recommended by the Ranger. It also goes without saying that behavior such as this also spreads good will in regard to the Forestry Department and its personnel not only in the children, but in the adults as well. We are very proud of a service that employes men of this type to protect and patrol our State Forests and recreation areas.

We believe that credit should be given where it is due; so to the Forestry Service in general and to Tim Huff in particular, our deepest thanks and admiration.

Very sincerely, the ever grateful parents of those adventurous children;

Mrs. Jeanne Y. Price

Robert Kinney

Mr. & Mrs. Oscar Price

PRAISE FROM THE HUMBOLDT BEACON

The following article was printed in The Humboldt Beacon:

"As Humboldt County welcomes the State Board of Forestry with a highly unseasonal one to two plus inches of rain in late August, we want to go back to two weeks ago when the Humboldt-Del Norte and Mendocino districts were fighting for their lives against seemingly endless lightning fires.

Twenty years ago it would have taken a miracle to have stopped this chain of fire, and even now it it took nearly 1000 men in the two counties, aerial tankers, helicopters, air spotters, but the job was done, by smart, dedicated rangers with the ability to command respect from the skilled firefighters and to train the unskilled. Moreover, even the rawest recruit from the slums began to catch on with a desire to join the ball club. Everywhere, the men of the correction centers have been drawing a full share of praise.

The fire lines of Humboldt and Mendocino Counties follow no color line. Some of the crack firefighters are blacks and Mexicans, who are fast approaching the skills of the famed southwest Indian jump crews.

Perhaps one or two of the bigger fires could have been held to a fraction if only helicopters had been available sooner to transport those first five-man spot crews into the remotest areas. When it takes three or four hours of tiring back packing to reach a fire, you are half whipped to start with.

There is a big difference in efficiency and false economy at the federal and state levels when it comes to meeting the fire hazard. You have to possess the know-how to start with, but even the smartest can't make it when politicians have cut your legs out from under you. We can be thankful in our state department of conservation and the Division of Forestry that the men in charge did fight back to preserve the protective forces the citizens of California expect in their behalf.

And just because we have had a heavy rain of mixed blessings, don't think for a minute that the fire season is anywhere near the end. We are just through August, that's all, for September and October could well be highly explosive. This is no time to be careless.

Above all, we are pleased the State Board of Forestry is here and hope they see something and continue to back their men on the actual firing line."

DON'T BE FUELISH!

An unpredicted cold spell caught an elderly gentleman without firewood. His neighbor was amazed the next morning to see the old man, dressed in his nightshirt, vigorously chopping kindling.

"Why are you clad so scantily this cold, snowy morning?" questioned the neighbor.

The old-timer never missed a lick with his axe as he replied, "For the last 70 years I have always dressed by a fire, and I'll be dad-gummed if I'm going to stop now!"



YULE TREE CONFERENCE HELD IN DISTRICT II

A Christmas tree management conference was conducted at the Viola Resort in eastern Shasta County on September 13 and 14 by the California Christmas Tree Growers Association and the Soil Improvement Committee of the California Fertilizer Association.

About 145 persons interested in Chirstmas tree management and forest fertilization attended the two-day conference, which included a tour of tree plantations in the Shingletown Area.

The Tree Growers' Board of Directors met at 10:00 a.m. Friday at Peter Lassen Hall. The conference got under way with registration from 12:30 p.m. to 1:00 p.m.

Leasing private lands for Chirstmas tree production was the topic of a panel discussion Friday afternoon. Members of the panel were Harold Bowman, Chief Forester for Kimberly-Clark Corporation in Anderson; Paul Rooney, a Forester for the Fruit Growers Supply Company of Burney; Bill Horstman, District Forester for the Southern Pacific Land Company of Weaverville, and Dick Sias, District Forester for the Southern Pacific Land Company of Mount Shasta.

Other Friday afternoon discussions included one by Jim Cockrane, Manager of Shasta Forests Company's land department, about the company's family tree-cutting area near Shingletown and another by Dr. W. H. German of the National Plant Food Institute of Washington, D.C., on the "Economic Potential of Forest Fertilization."

Dr. J. D. Beaton, of the Sulphur Institute of Washington, D.C., talked about "Large Scale Fertilization Trails in the Pacific Northwest." Mr. Leo Morstad, of Klamath Falls, Oregon, part owner of one of the largest managed natural stands of white fir Christmas trees in Oregon, was guest speaker following the dinner at 7:30 p.m., Friday. His topic was "Growing Christmas Trees for Fun and Profit."

The second day of the conference began at 9:00 a.m. with a tour of Christmas tree plantations west of Viola. Owners of the plantations gave their comments on acquiring, clearing, and planting of their properties.

Dr. Paul Zinke, Soil and Tree Nutrition Specialist from the University of California at Berkeley discussed tree analysis as a guide to fertilization.

From the Shingletwon Area, the conference members and visitors traveled to Latour State Forest where they enjoyed a sack lunch and heard Dr. Chester Youngberg, of Oregon State University, discuss Christmas tree fertilization.

The final item of the day was a trip to areas on the Latour State Forest where the lands are being managed for Christmas tree production.

District II Service Forester, Robert Rappleye, Sr., was chairman of the meeting. He was responsible for its organization, the obtaining of speakers, outlining the tour, and arranging for the necessary facilities as well as conducting the meeting and tour. Howard A. Nielsen, President, California Chirstmas Tree Grower's Association, on behalf of the entire group, commended Rappleye for an outstanding job.

DISTRICT II PERSONNEL RECEIVE A LETTER OF COMMENDATION FROM CITIZEN

The following letter was received by Mr. James Stearns commending the Forestry personnel who assisted in a fire in Trinity County:

"Mr. James Stearns
Director
Dept. of Conservation
c/o Resources Agency
1416 Ninth Street
Sacramento, Calif. 95814

Dear Mr. Stearns:

On Wednesday morning, July 31, 1968, a fire was discovered in some timber on the Lone Pine Ranch, in Trinity County, which is owned by my family. The fire was first reported by Sam Berges, who has the fire lookout station on the top of Kettenpom Peak, at about 8:30. We noticed the fire on the ranch about 9:30 and by 10:30 the entire crew from Alderpoint was on the job, with a caterpillar and four or five fire-fighting vehicles. A number of planes, spraying chemicals, came overhead at about 10:30 and between the chemical spray, the water and the efforts of the fire crew, the area of the fire was confined to about an acre and a half and was under full control by noon time. This was the more remarkable as there were a lot of dead wood and shashings on the ground and one pine tree caught fire, which created a great risk that the fire might get into the trees.

The crew stayed on the job until late in the evening of July 31 and some of them may have stayed overnight. They were, by the way, helped by some of the men from a convict camp north of Garberville, who also arrived by about 12 o'clock.

The prompt control of this fire is a tribute to the organization, equipment, manpower and leadership of your fire wardens, the head of which was Mr. Greg Wayne, of Alderpoint. Had it not been for the prompt action taken this fire might very well have burned over a large amount of timber on the ranch and could have done inestimable damage.

May I take this opportunity to extend my thanks to your department, to Greg Wayne, to Sam Berges and to all of those who handled this emergency so very efficiently.

Very truly yours,
/signed/ Dean Wilter

FUELBREAKS STOP FIRES

Ranger Ralph Smith, of the Siskiyou Ranger Unit, advised that the recent Bolam Fire was prevented from burning a large area of State Protection land because of fuelbreaks.

The fire which started on Forest Service land on August 11, 1968, near the junction of U.S. 97 and the Juniper Cut-off road burned a total of 607 acres.

According to Smith, the only roads on the entire fire which held were the Juniper Cut-off and portions of U.S. 97, both of which had fuelbreaks.

"I feel that the savings in just this one instance more than justifies the effort in constructing and maintaining the fuelbreaks," Smith said.

DISTRICT II PERSONNEL RECEIVE LETTERS OF THANKS IN RECENT FIRE

The two following letters were received by Ranger William Siler, of the Tehama-Glenn Ranger Unit after a fire in District II:

"Mr. William Siler, State Forest Ranger
California Division of Forestry
604 - 99E
Red Bluff, California 96080

Dear Bill,

I believe the recent Watson Canyon Fire was an example of an excellent cooperative effort between our two outfits.

It certainly demonstrated the effectiveness and abilities of your organization in a tough situation. You have a team you can be proud of! We on the Mendocino are proud to join your team whenever the need arises.

Sincerely yours,
/signed/ George C. Mendel
GEORGE C. MENDEL
Fire Control Officer
Mendocino National Forest"

"Mr. William Siler, State Forest Ranger
California Division of Forestry
604 Hwy 99 East
Red Bluff, California 96080

I would like to take this opportunity to thank your agency on behalf of the United States Air Force for your invaluable assistance during the recent air disaster. The professionalism and dedication displayed by your personnel amply illustrates their capabilities.

The outstanding assistance rendered by your personnel in the area of security, traffic control, communications, fire suppression, and assistance facilitated immensely the unpleasant task that had to be carried out by the Air Force investigating team on their arrival. The willingness of your personnel in voluteering vitally needed and pertinent information to the investigators greatly reduced the time these people had to remain on the scene and vividly points out the outstanding cooperation received by the Air Force.

I would once again, like to extend the heartfelt appreciation of the United States Air Force and to add my own "well done" to you and the people in your department.

/signed/ Ray Bilbo
RAY BILBO, Major, USAF
Commander"

NEW FIRE STATION DEDICATED IN DISTRICT II

The County of Butte contracting with the California Division of Forestry, maintains a ten-station rural fire department to serve the residents of the unincorporated area of the County.

In 1958, the County of Butte initiated a building program to up-date the old and out-moded county buildings although two new fire stations have been built (Kelly Ridge and Chico). It was in the Spring of 1967 that plans were formulated for the replacement of the Gridley Fire Station located four miles north of the town of Gridley on Highway 99.

During the initial planning, the City of Biggs (two miles north of the Gridley Station) offered to deed to the County the required amount of land needed, and to provide utilities if the County would consent to the joint use of the facility.

Engineering of the station was awarded to Cook and Associates of Oroville, California, during the summer of 1967. The construction contract was awarded to Coursey Brothers of Yuba City, California. Construction of the $69,865 four-thousand, four-hundred square foot building was started in December 1967.

Construction consisted of 127 feet by 35 feet concrete slab walls with exposed aggregate rock finish on the building's front. The east side of the building contains crew quarters for six men, a day room, and a kitchenette with builtins. In addittion, an alarm room and one office were included. The west end of the building contains a three-bedroom, two-bath residence occupied by the resident driver.

The three-stall heated drive-through apparatus room separates the crew quarters from the residence. Adequate vertical and horizontal door clearance was provided for with 12 x 12 mechanical operated metal roll-up doors.

Construction was completed in May 1968 and dedication was held on June 29, 1968. Representing the County of Butte in the ribbon-cutting ceremony was Leslie Pryde, Supervisor Fourth District, and for the City of Biggs, Mayor Jim Shadd. Many local and civic dignitaries attended the dedication and open house including Blaine Graham, Representative of State Senator Fred W. Marler, Jr. of the Second District.

The City of Biggs, with a land area of slightly under one mile square and a population of approximately 1,100 people, is surrounded by prime agriculture land producing fruit and rice products. The City maintains a 25-man volunteer fire department with one pumper under the command of Chief Ray Valverde. Fire potential consists generally of residential and commercial problems with one large rice drying complex in the town's center.

The County station is manned by California Division of Forestry resident Firetruck Driver William Catelli, relieved by Firetruck Driver Charles Moller. During the summer season, they are aided by a seasonal firefighter.

Without the unselfish dedication to the people in both the City and County areas, this venture could not have been undertaken. The financial savings to the City and the County by this fire facility would be hard to measure but certainly it eliminated the construction of one station. In addition, it relocated the old Gridley County Station into more of the center of its initial attack area.

It is not anitcipated that any insurmountable problems will arise from this operation due to the many preplanning meetings held prior to this venture and the memorandum of understanding approved by all agencies concerned.

This type of mutual operation is a tribute to the City Council of Biggs, Board of Supervisors of the County of Butte, and the State of California Division of Forestry.



New Fire Station dedicated in Biggs, California

CDF LOOKS AT THE "RAINMAKER" IN DISTRICT II

Representatives from the Division of Forestry and the United States Forest Service, recently viewed a demonstration in the Butte Ranger Unit of a helicopter using a relatively new fire retardant drop tank. The CDF was represented by personnel from the Butte Ranger Unit, Forestry Air Operations Engineer Floyd Waklee from the State Forester's Office, and Sierra Cascade District Fire Control Ranger Howard Bromwell. The tank, a fiberglas bucket called the Sim's "Rainmaker," was attached to a helicopter owned by United Helicopters Inc. and piloted by Ray Cooper.

The "Rainmaker" can hold up to 100 gallons. The bucket can be set to hold 50 or 70 gallons by simply removing plugs in the side of the bucket, which allows anything over the desired amount to run out. The unique feature of the Sim's "Rainmaker" is that the pilot can fill it merely by submerging it in a pool of water while holding the helicopter at a hover. After the bucket is full, which takes approximately 10 seconds, the pilot flies to the fire, drops the water, and returns for another load. This method of loading the bucket without having to land the helicopter makes it possible to use helicopters more effectively on fires, especially those occurring in areas surrounding lakes or other sources of water.

United Helicopters has successfully used the "Rainmaker" on several fires that occurred in the Lincoln National Forest in New Mexico in June and July of this year.



Pilot Ray Cooper hovering over the Thermalito Forebay (in Oroville) while filling the "Rainmaker." .The bucket is full and Cooper will start to lift it out of the water.



Cooper has just released the water. Note the holes around the side of the bucket. Removing the top row of plugs allows a capacity of 70 gallons. Removing the lower row limits the capacity to 50 gallons.



NEW DISTRICT III HEADQUARTERS

On August 26 Deputy Director Mayfield, Chief Deputy Moran and Deputy Petersen met with Director Mott and Director Shannon to discuss the location for a joint Forestry, Fish and Game, and Parks and Recreation headquarters to replace our present District III Headquarters.

ASSOCIATE RANGER CLASS TO BE PLACED IN THE WORK WEEK GROUP 4A DURING NON-FIRE SEASON

A meeting was held with Mike Sloss of the Personnel Board to discuss reservations the Board harbored regarding allocation of the Associate Ranger class to work week group 4A during non-fire season. After discussion, Sloss was willing to support reallocation of the Associate Ranger and Assistant Ranger classes, although he felt higher levels in the Personnel Board might still have some questions regarding this change.

MANAGEMENT SERVICES

Management Services and Director's Staff representatives met with representatives from the Controller's Office to clear out the obstacles to implement shift reporting under the 96-hour duty week. After considerable discussion, a procedure was identified which apparently will enable the Division to report on an actual shift basis with very little change in the Controller's Office procedures.

COMPLETED LEASE AGREEMTENT RECEIVED

A completed lease agreement, between the Pickering Lumber Corporation and the Division of Forestry, for the Skull Creek Forest Fire Station site, has been received.

FIELD SURVEY PERSONNEL WERE GIVEN FIRE CONTROL TRAINING

Basic fire control training was given to 70 field survey personnel who were assigned to field work on the Auburn Dam Project.

LAW ENFORCEMENT IN CALAVERAS RU

A total of six citations were issued in Calaveras Ranger Unit during the month of July. All but two of the citations were for burning without a permit.

ELMER CHAMBERS RECEIVES LETTER OF THANKS

The following letter to Elmer Chambers was received recently:

"Mr. Elmer Chambers
Ranger, Calaveras County
California State Division of Forestry
Box 548
San Andreas, California

Dear Mr. Chambers:

Speaking for all those involved at the Bar Six-E Ranch, please accept our sincere gratitude for a superb job of containing the fire of July 28 that originated in Cave City and terminated on our property.

Not having had previous experience with the Forestry Department, we were greatly impressed and reassured by the display of coordination, skill, knowledge and devotion to duty exemplified by all participants in fire fighting.

Much of the success in the early containment, we feel, was due to Mr. Jackson's knowledge and judgment, and the ability of the department to mobilize forces so quickly.

If possible, extend our thanks to the personnel of all the participating agencies and departments.

If, in the future, there is any way we may assist the Forestry Department, please feel free to call upon us.

Again, thank you.

Sincerely yours,
/signed/ George W. Enderlin
GEORGE W. ENDERLIN

RICHARD WHEELER OF DISTRICT III RECEIVES LETTER OF THANKS

The following letter was received in the District III Office commending Richard Wheeler for his valuable help:

"Mr. Richard A. Wheeler
Department of Conservation
Division of Forestry
P.O. Box 19275
1001 Jed Smith Drive
Sacramento, Ca. 95819

Dear Mr. Wheeler:

I have written the U.S. Dept. of Agriculture, Agricultural Stabilization & Conservation Service in Auburn as you recommended. Please fine attached a copy of my letter of July 17 to them for your information.

I want to thank you for the very fine assistance I received from the California Division of Forestry and, specifically, yourself. It was invaluable help to me as a new landowner in deciding how to properly care for my land. I believe such a service is a real asset to California in improving their over-all resources.

Thank you again. I hope I will have the opportunity of seeing you again in the near future.

Sincerely,
/signed/ Dan R. Cheyney
DAN R. CHEYNEY
50 Wildwood Gardens
Piedmont, Calif. 94611"

CREDIT BALANCE

Secretary Ickes and his fellow cabinet members were discussing a particularly unpleasant associate in the most unfavorable terms. At last someone thought it time to speak up in the man's defense and said, "At least there's one thing you can say for him—he never bothers us for any favors for his friends."

"That's to his credit, all right," commented Ickes, "unless—"

"Unless what?"

"Unless he has no friends."

LEAD IT ALONE

We just heard about a little boy who said to his teacher, "I ain't got no pencil."

She corrected him at once: "It's 'I don't have a pencil.' 'You don't have a pencil.' 'We don't have any pencils.' 'They don't have any pencils.' Is that clear?

"No," said the bewildered child. "What happened to all them pencils?"



DISTRICT IV TAKES ANOTHER FIRST

The State Forester's "Weapons Use Review Board" was called into action for the first time recently to discuss the pros and cons of a District IV law enforcement case whereby an arson suspect was apprehended by a CDF employee with the use of a weapon.

The Board is authorized to review the circumstances attending each discharge or use of firearms by a peace officer appointed by the State Forester, and to recommend to the appointing power disciplinary action if appropriate.

The Board, consisting of the Chief Deputy State Forester, the Deputy State Forester in charge of the Fire Prevention Section, the Deputy State Forester in charge of the District in which the incident occurred, and one supervisor of the man who discharged or used the weapon, is a mandatory Board called for in Section 4651.2 of the Issuance System.

Jake Marshall, Forestry Forman I, Fresno Ranger Unit, observed a man setting a fire, gave pursuit and used his weapon in apprehending the suspect.

In the Board's deliberations they found Forestry Foreman I Marshall's acts and procedures to be in order and in line with all law enforcement training. They credited him with being able to recognize a situation, take proper steps to apprehend the suspect and pursue the case to the proper conclusion. This to the Board members, represented the culmination of many hours of training over the past several years and the accomplishment of an operation that the CDF has been pointing toward for a long time.

The suspect, incidentially, is being held to answer arson charges by the Superior Court of Fresno County

STATE FORESTER RAYMOND RECEIVES A LETTER COMMENDING CDF

The following letter was received by State Forester Raymond:

"Mr. F. H. Raymond, State Forester
Resources Building
1416 - 9th Street
Sacramento, Calif.

Dear Mr. Raymond:

May we extend our thanks to your Department for the efficiency displayed by them and the courtesy shown us during the recent fire near Fair Play, El Dorado County. As property owners in the vicinity of the fire, we are extremely thankful for the fine job done by your men.

Gratefully,

Mr. & Mrs. Bestan Shaw"

DISTRICT IV HOSTS GOLFERS

On Saturday, November 2 the Third Annual Metcalf Open was held in Fresno at the Riverside Golf Course. Regardless of some rain, 45 golfers (the most yet) from CDF and other agencies competed for the various prizes. Competition was greatest on the 19th hole.

Other agencies represented were the Kings County Fire Department, Forest Service, National Parks and Department of Corrections, Fish and Game, Fire Marshal, Communications, and Aumomotive Management. Those who came the farthest to compete in this tournament were from San Diego Ranger Unit and they showed many golfers how to play the game.

Winners were as follows:
Low gross CDF District IV-- won again for the thrid year by Frank Weatherford with a 79.
Low net CDF District IV -- tie between Gerv Nash (101-31) and Joe Duggan (89-19) with 70's.
Hole-in-One Contest -- won by Bob Jackson of San Diego RU with a lie of 6'5". Retired Deputy Cecil Metcalf and Supervisor Walt Puhn of the Sierra National Forest conducted this contest on the fifth hole.

Low Gross outside District IV won by Dick Groninger of Puerta La Cruz Camp with a 79. Dick won a beautiful trophy which he in turn donated back to the tourney committee to become a perpetual award along with other trophies.

Low Net outside District IV-- won by Bob Jackson with a (80-12) 68.

Calloway -- won by Walt Bolster of District VI with a 148-66.6.

Long Ball Contest -- won by Mariposa "pro" Weatherford, beating the next closest man by about eight yards.

A total of seven dozen golf balls were awarded to the better golfers in each category. A consolation prize of one golf ball was awarded to many of the remaining contestants in appreciation of their keen competitive spirit.

Myrle Fleming and Chairle Rapp of District IV Headquarters handled the necessary paper work to make this tournament a huge success and received a big thank you from the entire group.



OUT-OF-DISTRICT CREW SETS HIGH STANDARDS

Division crews attempt to maintain high fire fighting standards in unfamiliar surroundings of out-of-District operations. Praise for driver Bill Richards and his Los Banos (Madera Ranger Unit) crew for their action in District I was related in a recent letter from Ernest E. Everett of San Francisco.

Following are his comments:

"May I offer an expression of appreciation.

When lighting struck and set a fire in the Ohman Creek area above Phillipsville, it was immediately driven by wind directly toward my property, west of Ft. Seward, covering a distance of three or four miles in an afternoon. It was only the excellent timing, hard work and cooperation of the entire department that saved my property.

I have no way of knowing who all of the excellent men were who worked on this fire, but they were indeed dedicated and worthy of the highest commendation.

I wish especially to commend Bill Richards and his crew."

CONGRESSMAN PRAISES FRESNO CREWS

Congressman Bob Mathias has lauded Assistant Ranger Jack Wilcher and Fresno Ranger Unit crews after witnessing firefighting operations on a fire in Sequoia National Forest on July 2. Jack acted as Fire Boss, coordinating the activities of our own crews and Forest Service and Sequoia-Kings National Park forces.

The 18th District U.S. Congressman wrote a personal letter to Jack, which stated in part: "I happened to be in the area at the time and I observed the tremendous work by your organization and the various other units. It was very reassuring to know in time of such an emergency that we have responsible and conscientious people to control these fires."

DISTRICT IV INVESTIGATORS LAUDED

The two District IV staff investigators were praised by Superintendent Lawrence C. Hadley of Yosemite National Park for their "thoroughness and quality" of investigation on the 1900-acre Canyon Fire at El Portal last September.

FPO IV Bill Van Dusen and FPO III Bill Jones were singled out for outstanding service in a letter which pointed out, "It is gratifying to know there are experts such as yourselves upon whom we can rely for assistance in complex investigations such as this." Superintendent Hadley also indicated, "It is gratifying to know we have such a close working relationship between our agencies."

TULARE CREWS HONORED

Tulare Ranger Ray Banks and his fire crews were paid tribute by the Springville Chamber of Commerce for their role in controlling the Lumreau Mountain fire in a joint operation with Sequoia National Forest last July. Chamber Directors indicated that "all too often the fine work done by your organization goes unappreciated" in a letter to Banks, which also cited their "well organized and expeditious" fire control action.

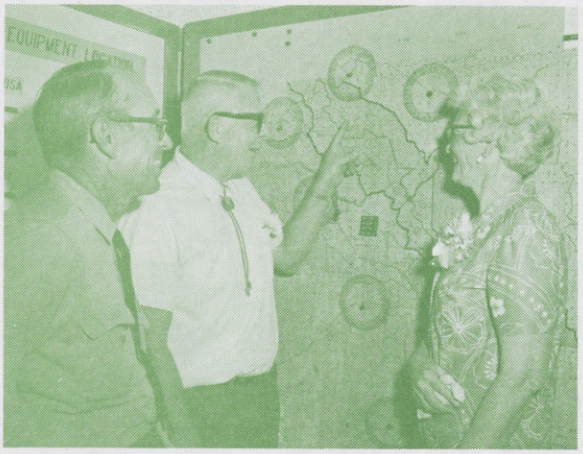
LES ROWE RETIRES

Congratulations were in order for Lester G. Rowe following his retirement from the Division of Forestry. Les was honored at a luncheon on October 24 at Mariposa Headquarters Station with approximately 45 friends and fellow-workers attending, some coming from as far as Hanford.

A resident of Mariposa since 1946, Les entered state service on May 26, 1952, in Mariposa County as Foreman at the White Rock FFS. From December 1954 to May 1955 Les was temporarily assigned to Tulare Ranger Unit. Upon returning, he again assumed the Foreman position at White Rock. In 1958 Les was transferred to the Headquarters until his retirement.

Upon his retirement, Les states his home address will still be Mariposa, but his whereabouts will be Anywhere USA. Les and his wife, Alma, will now

be collectors of road maps, trailer and camper magazines, and friends in their travels around the states to see what they have missed. The gifts they received will be put to good use in their travels, as Les was presented with a pair of binoculars and Mrs. Rowe with a set of salad dishes.



Retiree Les Row points out where he used to have to "fight e'm" in Mariposa'a rugged canyon terrain as his wife Alma and Ranger Frank Weatherford look on.

MADERA CDF PIONEER DIES

Joseph E. "Joe" Goode, 79 a. pioneer figure in rural fire protection in Madera County for 12 years three decades ago, died in a Fresno Hospital on July 16. With his passing went Madera's last nostalgic link between the birth and modern day maturity of county fire service. During the depression era of the thrities, Joe was a familiar and colorful character at the open cab of his Moreland firetruck parked at the curb of the town's main street at Highway 99.

During World War II, he resigned to join war industry workers and subsequently worked in the lumbering industry in Camino. A native of Madera and veteran of World War I, Joe was laid to rest at Arbor Vitae Cemetery in Madera. He is survived by his widow, Marvel, of Sacramento.

CDF CONTINUES REIGN ON MARIPOSA QUEENS

The Mariposa County Fair held each year on Labor Day Weekend is looked forward to by the residents of this mountain county. It has been an annual occurrence since 1939. A Fair Queen reigns over the three-day festivities, and until recently was selected by the Contestant selling the largest number of tickets.

Three years ago the Fair Board decided to hold an annual "Maid of Mariposa" contest. The Maid would be chosen for her charm, poise, beauty, and personality. The Maid would reign not only over the three-day fair but other festivities throughout the year. She would also compete in the "Maid of California" pageant in Sacramento.

August 1966, the first pageant was held with 18 year old Patti Jordan chosen from a field of 4 contestants. Patti is the daughter of Mr. and Mrs. John C. Jordan. John was a FFTD in the Mariposa Ranger Unit and has since promoted to FF II at the Mt. Bullion YCC.

In the second annual pageant, (1967) Patti turned her title over to 18-year old Shirley Jones. She is the daughter of Mrs. Juanita Jones, Stenorgapher II of this Ranger Unit. Shirley was chosen from a field of 8 contestants, which provided stiff competition.

The year 1968 is a big year for the James Smalley family. Out of 6 contestants, their 17-year old daughter Rhonda was chosen as Queen. Rhonda went on to Sacramento to place 13th in the Maid of California Pageant.

A few of the numerous activities of the past two Queens were to appear in several parades and public functions as well as appearing on TV for special events. The year 1968 promises to be even more eventful for Queen Rhonda.

For a Ranger Unit that employs only 30 permanent full-time personnel in a County of approximately 7,000 population, the employees feel this is quite a record, and are

all proud of their girls' achievements. They have several other employees who's daughters are thinking of entering next year's pageant to try and make it four years in a row for them.



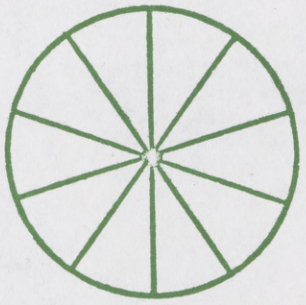
1967 Queen Shirley receiving Crown from 1966 Queen Patti.



Shirley relinquishing title to 1968 Queen Rhonda.

PUZZLE

Using this design, place the numbers 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 around the circle so that the sum of any two adjacent numbers equals the sum of the two numbers at the opposite ends of the lines.



Start with 1 at the top of the circle and then go clockwise in this order: 10, 3, 6, 7, 2, 9, 4, 5, 8.



TERMINAL ILLNESS TAKES ORRIN DAVES

A career of nearly 30 years State service came to a close on October 20, 1968, with the passing of Foreman Orrin L. Daves, following a lengthy illness due to terminal cancer. He was 61.

Foreman Daves was well known throughout District V. His official State employment began December 9, 1941 in Santa Cruz County, where he held numerous positions including crewman, driver, foreman, and lookout. Prior to 1941 he worked for Forestry, and SERA and CWA camps.

Orrin transferred to San Luis Obispo County on June 2, 1949 as a Forest Firefighter Foreman, and was appointed Warehouse Foreman on July 1, 1957.

During the course of his employment, Orrin made many friends. He will be sorely missed both as a friend and a co-worker.

CONTROLLED BURNING IN DISTRICT V

Range improvement burning activity increased to peak levels in District V during the month of August. Ranchers burned over 12,000 acres of brushland under permit and made preparations for many additional burns. Despite cancellations due to extreme burning conditions, it appears that total acreage burned will exceed the five-year average.

FUELBREAK MAINTENANCE

Ten trial plots were established on the University of California Santa Cruz Fulebreak to determine methods to reduce damage to residual redwood and madrone trees resulting from chemical spraying. Plans call for treatment at several dates to establish the periods of high sensitivity of both the brush and residual trees. It is hoped that it will be possible to reach a compromise which will achieve effective brush control and at the same time reduce drift damage.

EMERGENCY REVEGETATION

Work is underway to test the soil protective characteristics of Wimmera 6Z and Common annual rye grass in a growth chamber at the Monterey Peninsula College. The two species which are commonly used for emergency revegetation will be grown under several controlled temperatures and soil moisture regimes and measured to determine over-all performance. Later a cost-performance rating will be made.

SANTA CRUZ RANGER UNIT FIRETRUCKS STOOD BY AT A "LOVE IN"

Santa Cruz Ranger Unit firetrucks stood by at a "Love In" by Waddel Beach which was attended by 3,500 persons. No fire problems occurred as all fires were restricted to the beach areas away from brush land.

SPARK ARRESTORS USED EFFECTIVELY IN SAN MATEO COUNTY

The Pacific Trails Championship, a motorcycle competition event, was held in San Mateo County on August 18, and was sponsored by the Pacific International Trails Society. Assistant Ranger, Lake, contacted various people connected with this event, regarding spark arrestors and fire prevention on the course as it is through a hazardous area. They responded well to the requests for added fire protection in the area during the event. No smoking rules were in effect while on the trails, all check-points had hand tools and/or extinguishers.

None of the 150 competitors were allowed to start their cycles until they were inspected. Approved spark arrestors were mandatory, as were mufflers.

There were very few cycles disqualified. Most were due to spark arrestors that had been tampered with. All disqualified units purchased new arrestors at the scene and were requalified.

The attendance at the event was estimated at over 2,000 people and 800 vehicles of various types.

FIRE PREVENTION EDUCATION IN THE SANTA CLARA RANGER UNIT

The Santa Clara Ranger Unit again participated in the annual Santa Clara County Fair in San Jose. This year they borrowed an exhibit from District VI. It is a very impressive display built by the Pilot Rock Conservation Camp. The center of attraction is a map of the United States, built of wood from each State, and topped with a miniature flag from each State.

FIRE IN SANTA CLARA RANGER UNIT RESULTS IN FINE

A fire, in Santa Clara Ranger Unit caused by welding resulted in a $20.00 fine for the owner of a well drilling rig. He must also advise other drillers in the area of the spark arrestor and extinguisher requirements for equipment used in wildland areas.

GUILTY PLEA IN SANTA CLARA RANGER UNIT

A charge of 449 c P.C., was dropped in favor of a guilty plea to H and S 13002 for causing a ten acre fire on Mt. Hamilton Road, Santa Clara Ranger Unit. The subject was sentenced on September 3.

LAW ENFORCEMENT IN THE SAN LUIS OBISPO RANGER UNIT

Two juvenile girls aged 7 and 11 admitted guilt in causing a fire in San Luis Obispo Ranger Unit. Both were released to their parents and have prepared 250 word essays on Fire Prevention.

TURNTABLE WINDOW DISPLAYS ARE BEING CONSTRUCTED IN THE CUESTA FIRE PREVENTION SHOP

Construction of the turntable window displays in the Cuesta Fire Prevention Shop is in progress. Fifteen of the large, 36 inch turntables have been completed. As soon as carrying boxes are completed, these displays will be ready for shipment.

GRADUATION TIME

The president of a college board of trustees, addressing fellow board members: "Perhaps the salaries we pay are lower than we thought, gentlemen. We're not only losing professors to industry — we're losing them to government!"



DEERHONE CIVIC CLUB WRITES THANK YOU LETTER TO DISTRICT VI

The following letter was received in the District VI Headquarters commending the personnel of District VI:

"Deerhorn Civic Club
Jamul, Calif.
October 21, 1968

State Dept. of Forestry
2249 Jamacha Blvd.
El Cajon, Calif.

Gentlemen:

The residents of Deerhorn Valley, especially those of us in Monte Robles Estates, would like to "THANK" each and every one of the men involved in contributing their efforts in helping to control and finally extinguish the fire in our area last Saturday, October 19, 1968.

It was a frightening and sad experience to see our beautiful Valley being swept away, but by the grace of God and the outstanding help from your many divisions of men, trucks, heavy equipment, and the spectacular precision of the pilots and planes, a disaster was controlled.

We wish to thank every man for his help and concern for a job "WELL DONE!"

Very sincerely,
Deerhorn Civic Club
J. Chelewski, Sec."

THE SANTANA TASK FORCE ACTIVATED IN DISTRICT VI

The Santana Task Force was activated on October 14 and greatly assisted in keeping the acreage down on several starts in the San Diego Ranger Unit.

FRANK CROSSFIELD, SFR, RECEIVED THANK YOU LETTER

The following letter was received by Frank Crossfield, SFR, for the actions of the men involved in controlling two brush fires near Camp Pendleton:

"Mr. Frank Crossfield
State Forest Ranger
California Division of Forestry
P.O. Box 1169
El Cajon, California 92022

Dear Mr. Crossfield:

I would like to thank you and the personnel of your department for the aid given us in suppressing the two brush fires at Marine Corps Base, Camp Pendleton, on 23 through 27 September 1968. Assistant Rangers G. E. Tipton, R. L. Miller, and G. E. Snyder worked closely with us at this time. On Monday the fire had jumped our lines and was out of control heading off base. The air drops provided by your department were effective in holding the fire head in check until our department was able to get in and extinguish the fire with hand lines and dozers.

The actions by your department were a major factor in preventing further spread of the fire and keeping it contained on Camp Pendleton.

This is one more instance of the most effective cooperation we have had with the California Division of Forestry for many years. I feel mutual aid practices through the years have strengthened both departments.

Sincerely,
/signed/ Donn J. Robertson
Major General, U.S. Marine Corps
Commanding"

GEORGE MIGUEL RETIRES FROM STATE SERVICE

Forest Firefighter George Miguel, Riverside Ranger Unit, retired from State service on July 31, 1968. A dinner commemorating his years of service was held at Sir George's in Hemet on August 14, 1968. There were 38 of George's friends and fellow workers present.

George started with the Division in the spring of 1953 when fire season opened and worked every season up to his date of retirement.

George was honored by the keynote speaker, Retired Ranger Charlie Van Fleet. Charles and George were "fire stompers" together for many years and Charlie was able to recall some rather humorous situations in which he and George were involved.

It was a very common thing at the party to hear Drivers, Associate Rangers, Foremen, and Fire Prevention Officers say, "Well, if George hadn't taught me so well when I was a firefighter, I wouldn't know what I'd do today"; or, "George sure did train a lot of people in this outfit."

George is a member of the Morongo Indian Tribe and plans to spend his retirement on the reservation east of Banning where he makes his home.

Ranger Jim Major presented George his retirement gifts and suggested that George might be our personal fire prevention representative on the reservation.

Good luck in your retirement George. We will miss seeing you around San Jacinto Station and on Riverside Ranger Unit fires.



George Miguel opens retirement gift.

ASSISTANT FOREST RANGER STANLEY OVERTON RECEIVES VIP PERFORMANCE AWARD FROM McDONNELL DOUGLAS ASTRONAUTICS COMPANY

Assistant Forest Ranger Stanley Overton has been singled out by the Douglas Missile and Space Systems Division to receive a special "VIP Performance Award."

Mr. Overton and his crew were commended for the prompt response, exceptional effort and cooperation displayed at the MDC Gypsum Canyon Test Site. On March 8, 1968, the

site was deluged by a severe rainstorm. Their assistance allowed the Douglas people to continue work on important government projects without interruption.

The VIP Performance Award is an award which expresses the appreciation of Douglass MSSD to service organizations who have performed some specific and outstanding service which directly contributed to the success of Douglas MSSD.



Assistant Forest Ranger Overton receives award.

FIRE DISPATCHERS GET A COMPUTER

A computer capable of making calculations in billionths of a second has been enlisted in the war against forest fires in Southern California, and it will be used in the forest fire dispatching center in San Bernardino Ranger Unit.

The computer is an IBM 360 Model 50 owned by Allen-Babcock Computing, Inc. of Century City in Los Angeles. The terminal was linked to the dispatch center on August 12.

This will be the first use of computers in forest fire dispatching or firefighting in the United States, according to James B. Davis, who heads up fire management systems research at the U.S. Forest Service's forest fire laboratory in Riverside.

Davis said the San Bernardino Ranger Unit was chosen to test the system because of the very high land values and a high incidence of forest fires in the Unit's protection zone.

The system will help take much of the "guesswork" out of fire dispatching, according to State Forest Ranger Jack Burke of the San Bernardino office. Burke said that dispatchers will now be able to estimate very accurately when the first men and equipment will arrive at a fire. In addition, the computer can furnish the dispatcher with a list of firefighting forces and their location, recommended travel routes, and keep an inventory of firefighting resources and show how they have been reassigned during the fire.

The use of computers in forest firefighting has been made feasible by two recent advances in computer technology, according to Davis. Very high-speed calculation and timesharing enable the user to conduct a continuous dialogue with the machine.

In practice, the system will work something like this:

From the CDF office in San Bernardino, the dispatcher will "talk" to the computer with short commands in English on a timesharing terminal similar to an electric typewriter. The message will be relayed over direct commerical phone line to the IBM computer in Los Angeles some 80 - 85 miles away. There, new data or questions will be fed into the computer about firefighting forces and their location, and data about the forest road sys-

tem, and travel times. The computer will "answer" in about 43 seconds, a time the research team hopes to be able to reduce to about 5-10 seconds.

Compiling the data to put into the computer's memory was one of the biggest jobs, according to Davis. Clarence Shay, Assistant Ranger at the CDF office, and his staff did most of that work. Ernest Tolin, with Davis' research team in Riverside, did the computer programing.

The dispatching system will cover the State-protected area of the San Bernardino Ranger Unit and surrounding forest area. It includes 20 fire stations (12 in San Bernardino County, and 8 in adjoining Orange and Riverside Counties) and some 375 miles of road. The 100 firefighters in the immediate area can be bolstered quickly by 1,000 or more men if necessary.

Davis said a similar system is planned for the headquarters of the San Bernardino National Forest in Del Rosa. Major Improvements in the present system are also underway.

LAW ENFORCEMENT

One arrest was made in the San Bernardino Ranger Unit to clear 12 fires, six arrests in the Riverside Ranger Unit for 32 fires, and one arrest was made in San Diego Ranger Unit for five fires. Two stakeouts are currently in progress.

Records for forest fires is District VI during the period of January 1, 1968 to July 15, 1968 show children and matches, smoking, and incendiary were the causes of 58% of the District fires.

DOG HAS NOSE FOR HOT TIPS

Coco, the Fire Prevention Dog, seeks out and buries with his nose hot and burning discarded cigarett

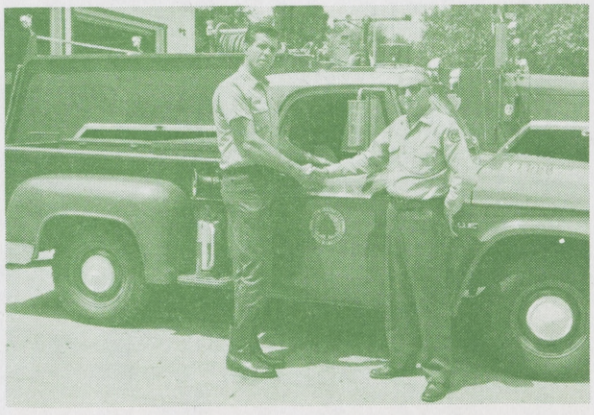
Coco's owner, Assistant State Forest Ranger Don O'Connell, said that Coco picked up this habit on his own and Don has encouraged him ever since.



LUNCHEON FOR ASSISTANT STATE FOREST RANGER O'CONNELL

A going away luncheon was held for Assistant State Forest Ranger Donald J. O'Connell who transferred from San Bernardino Ranger Unit to the Magalia Conservation Camp. Don received many token gifts and messages to remind him of his past activities in San Bernardino.

Howard LaPlant is transferring from Siskiyou Ranger Unit to replace O'Connell.



Howard LaPlant and Donald J. O'Connell exchange greetings.

DEDICATION CEREMONIES WERE HELD AT THE MILLER FOREST FIRE STATION IN DISTRICT VI

On June 18, 1968 dedication ceremonies were held at the recently completed Miller Forest Fire Station in northern San Diego County. Special arrangements were made so that retired State Forest Ranger Edwin S. Miller could be on hand to participate in the dedication. Ranger Ed Miller for whom the Station has been named was the State Ranger in charge of the San Diego Ranger Unit from November 1, 1934 until July of 1950. Ranger Ed Miller relieved San Diego's first State Ranger Luther Gordon who resides in Lyons Valley and then turned the reigns over to recently retired James Fenlon.

Rangers Luther Gordon, Ed Miller, Jim Fenlon and current Ranger Frank Crossfield were all in attendance at the dedication. The new Miller Station was constructed to house a crew of five men with an attached fire equipment storage area for two fire trucks. The new Station is under the immediate supervision of Charles Compton, the Assistant State Forest Ranger in charge of the Red Mountain District.

The Division of Forestry Employees Association of San Diego County provided a beautifully inscribed bronze plaque that was unveiled by Deputy State Forester Mike O. Schori. This is the first Fire Station in the Ranger Unit that bears the name of a forestry employee.





Deputy State Forester Mike Schori unveils the bronze plaque at the base of the Station sign dedicating the Station to Ranger Ed Miller.



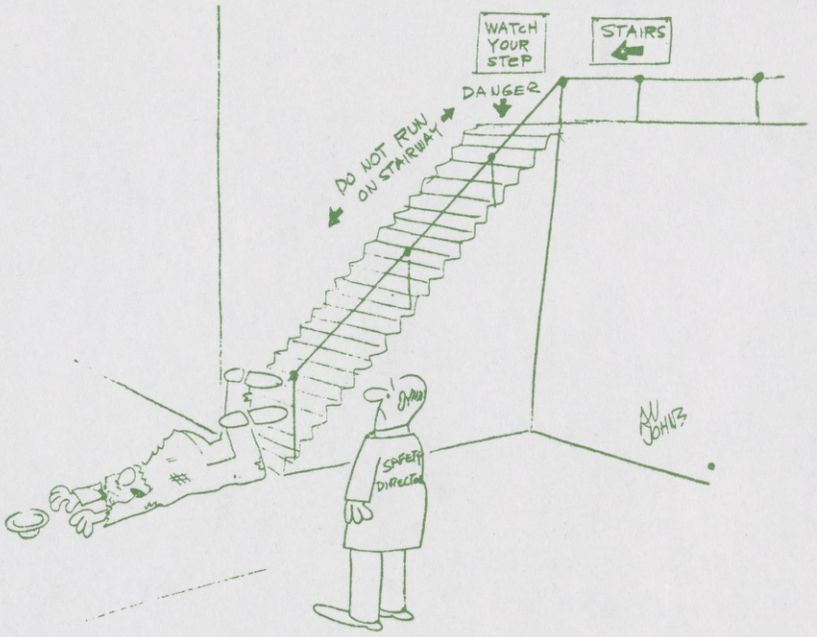
The four past and present Rangers line up for a Historical Happening with Deputy State Forester Mike Schori. Left to right in the photo are current Ranger Frank Crossfield, recently retired (March 1968) Jim Fenlon, Ed Miller, Luther Gordon the first State Ranger and Deputy Mike Schori.

State Forest Ranger Edwin S. Miller, November 1934 to July 1950. A Fallbrook Fire District ambulance was provided in order to make the trip easier for Ranger Miller, but he accepted only on the condition that he would ride "up front" and he did.

Cartoon Page...

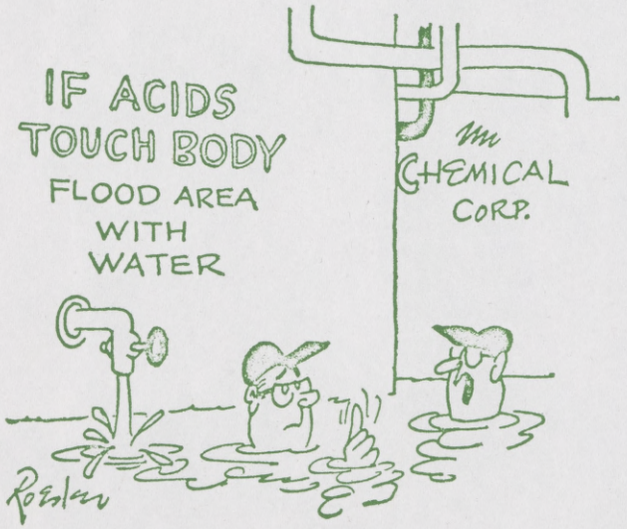


"Just before turning over our Safety Snafu to an expert, one of our workers, who didn't know it WAS a problem solved it!"



"I was so busy reading the signs I didn't see the first step."

National Safety News, July 196[illegible]



"No, No, Sam! You just flood the affected area of your body!"

← CIRCLE 23 ON READER CARD

National Safety News, October 1968



"I broke three things when I had the accident—production record, safety record, and the company."



139 "FIRE BUGS" PROSECUTED BY STATE DURING '38 SEASON

Does this title strike you as being a little out of date? As population increase and time progresses, so do the amount of "Fire Bugs" the California Division of Forestry has to deal with. This article was written in 1938, and we think you readers might find it interesting:

"In his annual report of law enforcement activities of the Division of Forestry, Investigator Horace Kennedy this month revealed that 139 cases involving alleged infractions of the forestry fire code had been taken to court during 1938. His recapitulation:

Cases initiated 139
Convictions 138
Acquittals. 1
Fine money collected. . .$1,800
Fine money, payment suspended
. $1,497.50
Jail sentence days served ..
. 1,960
Jail sentence days suspended.
. 860"

NEW ZELAND FORESTER VISITS JACKSON STATE FOREST

Mr. Jim Spiers, Forester from New Zeland, visited Jackson State Forest. Mr. Spires manages a forest of 350,000 acres and is in this country on a seed purchasing trip. He hopes to purchase 2,000 pounds of Douglas-fir seed from this area.

JACKSON STATE FOREST HUNTERS HAVE GOOD YEAR

Ken Bain, local game warden, stated this year's deer kill from Jackson State Forest was the largest he has seen since being in this area some three years. Mr. Bain estimates that there were 1,500 to 2,000 hunter days during the first three days of the season on the Forest.

SONOMA RANGER UNIT PERSONNEL MEET WITH AIR FORCE PERSONNEL

Sonoma Ranger Unit personnel met with the commander and his officers of the Western Air Sea Rescue Command at Hamilton Air Force base for the purpose of determining what the military can do to provide emergency first aid to seriously injured firefighters in remote areas or to evacuate the same. Colonel Potter and his executive officer, Lt. Col. Hackett, demonstrated their command's capability and conducted a tour of the facility, aircraft, its equipment and the paramedic division. The Western Air Sea Rescue Command was extremely courteous and demonstrated their ability and willingness to assist the Division in any way they could.

THE RAY BRYANT'S OF THE DAVIS FACILITY HAVE GUESTS

Mr. and Mrs. Ray Bryant of the Davis Facility recently had a visit from their son and his family. Ron was visiting after completion of his season at Amarillo in the Texas Baseball League.

CASAMAJOR NAMED UC EXPERIMENT STATION AID

In Berkeley, a forest scientist has been named assistant to the director of the University of California's statewide Agricultural Experiment Station.

Appointment of Paul Casamajor, of the UC School of Forestry and Conservation at Berkeley, was announced by James B. Kendrick, UC Vice-President for agricultural sciences. Casamajor will be assistant to Experiment Station Director C. F. Kelly.

The new post will involve program planning and budgeting at the statewide level for UC research on agriculture and the environment.

"The goal is closer coordination among research programs at the Berkeley, Davis and Riverside campuses and the various field stations," Kelly said. In addition, Casamajor will work to tie in California's research programming and reporting system with the Federal system, which includes all state experiment stations.

CDF AND ANGELES NATIONAL FOREST ARE JOINT RECIPIENTS OF AWARD

The California Division of Forestry and the Angeles National Forest were joint recepients of an award tray and ribbon for their participation in a fire prevention booth in the Los Angeles County Fair.

JUST ONX KXY

Xvxn though my typxwritxr is an old 1933 modxl, it works quitx wxll xxcxpt for onx of thx kxys. I wishxd many timxs that it workxd pxrfxctly. It is trux that thxrx arx forty-six kxys that function wxll xnough, but just onx kxy not working makxs thx diffxrxncx. Somxtimxs it sxxms to mx that o our own organization is not unlikx my typxwritxr--that not all of thx kxy pxoplx arx working propxrly. You may say to yoursxlf, "Wxll, I am only onx pxrson, and I can't gxt pxrsonally involvxd. I won't makx or brxak an organization." But it doxs makx a diffxrxncs bxcausx a succxssful organization to bx xffxctivx rxquirxs thx activx participation of xvxry mxmbxr. -- Thx Rotary Cog, Concord, North Carolina.

FORESTRY FIREMAN CLASS IS NOW ONE ENTRY LEVEL FOR CAREER IN FORESTRY

State Forester Raymond recently wrote a letter authorizing a temporary directive, which will later be made permanent, that recognizes the class of Forestry Fireman as one entry level for those desiring to make a career with the Division.

Since the class was established in 1963, its use has increased to some 85 positions with more in prospect each year.

Steps are being taken to bring the Forestry Fireman's uniform up to Division standards. Name plates are being issued and the Division patch will be placed on the uniform.

CERTIFICATE OF APPRECIATION

A "Certificate of Appreciation" was presented to the Manager of the Madera office of the Pacific Telephone Company for their efforts in fire prevention. Along with the signs on their trucks and passouts in the billings, they have been sponsoring Smokey messages in the local paper and have installed a fire prevention display in the office.

PAULINE DAVIS AND JAMES STEARNS TOUR NEVADA COUNTY

Assemblywoman Pauline Davis, Chairman of the Assembly Conservation and Wildlife Committee, together with a member of her committee and her staff, Director of Conservation James Stearns, representatives of the Division of Forestry, and U.S. Forest Service, toured Nevada County on August 20th. The group examined the Highway 20 fuelbreak, inspected the operations of the Washington Ridge Youth Conservation Camp, Nevada-Yuba Ranger Unit Headquarters facilities, and the Loma Rica Air Attack Base. The visit was a fact finding tour to provide Mrs. Davis and her committee with information to support legislation that affects the operation of the Division of Forestry.

LAW ENFORCEMENT IN WESTERN NEVADA COUNTY

Royal M. Kimberley and Charles Parker, pled guilty to arson involving a structure in Western Nevada County during the past winter. They were ordered to spend 90 days at the State Medical Facility at Vacaville for observation after which they will be returned to Superior Court for sentencing. William Yates, arrested for involvement in the same fire has not been tried at the time of this writing.

NEW PARK MAINTENANCE CLASSES DEPARTMENT OF PARKS AND RECREATION

Recently a notice was received from the Department of Parks and Recreation announcing the creation of three new park maintenance classes and a revised class specification for the State Park Attendant class. Following are the three new classes with monthly compensation ranges shown along with a brief description of the purpose of the classes:

1. Facilities Maintenance Supervisor ($950-$1155) -- Provide a Statewide staff program supervisor position in the Operations Division headquarters office to assist with program development and evaluation.

2. Park District Maintenance Supervisor ($821-$998) -- Provide a construction maintenance program manager with a broad craft background in each of the six District offices.

3. Park Maintenance Foreman ($710-$863) -- Provide supervision for the maintenance crews being established in the operating areas.

4. The former State Park Attendant class is being renamed Park Maintenance Man ($505-$584) -- the class concept is also being changed to reduce the time spent on public contact and increase the time spent on maintenance, repair, and clean-up.

Anyone interested in learning more about these new and revised classes should contact the State Personnel Board or the local Department of Parks and Recreation headquarters.

DR. BURCHAM'S COMMENTS TO AN ARTICLE IN THE LAST NEWSLETTER

The June-July issue of the NEWSLETTER (Vol. 27, Nos. 5 & 6) carried an article on page 38 having the title "Only We Can Prevent Forest Fires." This article, taken from the magazine UNASYLVA (Vol. 21, No. 84, 1967) published by Food and Agriculture Organization of the United Nations, was about the use of chemicals for defoliation for military purposes in Viet Nam. It contains numerous errors, as pointed out in the following comments, prepared by request.--Editor.

Every paragraph of this short article from Unasylva contains one or more errors. The first paragraph, for example, says that newspaper reports state more than 300 square kilometers (74,112 acres) have been sprayed. This must refer to a single operation, for a much greater acreage had been reported as treated, by the press, long before this time.

The chemicals used--mostly 2,4-D and 2,4,5-T--do not entirely destroy the forest, as stated in the second paragraph. At the rates being used they are so widely dispersed they tend to produce only a short-term set-back to trees, causing them to lose part of their leaves temporarily, an effect correctly termed defoliation. Nearly all of us are familiar with the use and effects of these chemicals. Many of you have used "Weedone," a mixture of 2,4-D and 2,4,5-T, on dandelions and other weeds in your own lawn. They have been used for more than 20 years in California and elsewhere for agricultural and industrial purposes. They are used for brush control on range lands and fulebreaks; for killing weeds in grain and other crops. The chemicals have been carefully tested by governmental regulatory agencies, and are registered as safe for use by the public.

Trees and shrubs of tropical forests have a remarkable capacity to recover after applications of these chemicals at rates that have been used; they sprout quickly, and the crown cover is almost completely restored in from eight to twenty months, depending on the amount of chemical, and on local soil and climatic conditions. These chemicals are not effective against insects. Unless consumed in hugh quantities-- 40 to 80% of total body weight-- they are harmless to man and other animals.

There is no problem of soil or water contamination from these herbicides. Soil ogranisms decompose them rapidly, using the chemical materials in their own life processes. They do not accumulate in the soil, or in the tissue of animals or birds, as do some of the pesticides. There have been persistent efforts by people who object to use of herbicides--whether for agricultural or military purposes-- to confuse them with pesticides in the minds of the public: many pesticides are not decomposed by soil organisms, and they can accumulate in the soil or in animal tissue.

Use of herbicides has not caused problems of "soil erosion and catastrophic gullying" in the tropics. A heavy growth of grasses, broad-leaved herbs, and tree seedlings begins within weeks, providing excellent ground cover within a few months. I have seen nearly a 100% ground cover under forests sprayed less than a year before. Together with regrowth of the canopy by sprouting, there was an effective vegetative cover for soil protection; erosion problems simply have not occurred.

Effects of bombs are not more definite and predictable than those of chemicals; and bombs distrub the vegetation and soil to a much greater extent. Some of the worst soil and plant disturbance I have ever seen was encountered on heavily shelled and bombed islands of the Pacific. While there may be some philosophical arguments against use of chemicals by those opposed to them, these arguments cannot be supported on biological, ecological, or economic grounds, because the land and the organisms it supports will recover from the chemical treatment more quickly than from bombs or other instruments of war, and with far less actual damage. A great deal is known about the effects of these chemicals on ecological relationships of the forest from both research and practical experience, and available information is being used intelligently. Chemical defoliation has been a very effective military measure--lives of thousands of American and South Vietnamese soldiers have been saved by it.

The Unsaylva article does not even report correctly the motto said to be hanging over the door of the aviation unit that does the spraying. Actually, it reads: "Only we can prevent forests."

Concerted and continuing attempts to discredit use of defoliating chemicals in Viet Nam have been made by some pacificists and some left-wing groups. This article contains many of the erroneous statements and half-truths typical of their propaganda. There is no real reason why it should be considered more objectionable or morally reprehensible to use these chemicals--registered as safe for use by the general public--for military purposes in Viet Nam, where the ideals of the free world are at stake, than it is to use them for industrial and agricultural purposes here at home.

--L. T. Burcham.

Dr. L. T. Burcham, an Assistant Deputy State Forester, is Policy and Procedure Coordinator on the staff of the State Forester in Sacramento. From 1961 to 1964, he was a consultant in Ecology and Geography to the Office of the Secretary of Defense. He was a member of the five-man team of scientists that reviewed the work done in defoliation in Viet Nam in 1962; this team prepared plans for both continuing the use of herbicides in military operations, and for additional research to determine effects of the chemicals on tropical forests. The research was carried on for more than than two years in Puerto Rico and Thailand. From June 1964 to August 1966, Dr. Burcham was on leave of absence from the California Division of Forestry to serve as Environmental Sciences Advisor for the Advanced Research Projects Agency in the Office of the Secretary of Defense. One of his major responsibilities was to manage a research program on effects of defoliants on tropical vegetation.
--Editor.

FIRE ACADEMY SIGN IS INSTALLED - WITH THE HELP FROM TWO CONSERVATION CAMPS

The California Division of Forestry, Fire Academy is marking its second year of operation with the installation of a new facility sign. The sign is an example of quality workmanship, which is produced at the Chamberlain Creek Conservation Camp.

The sign base was prefabricated at the Vallecito Conservation Camp. The base was delivered in two sections and installed by personnel from the Vallecito Camp.

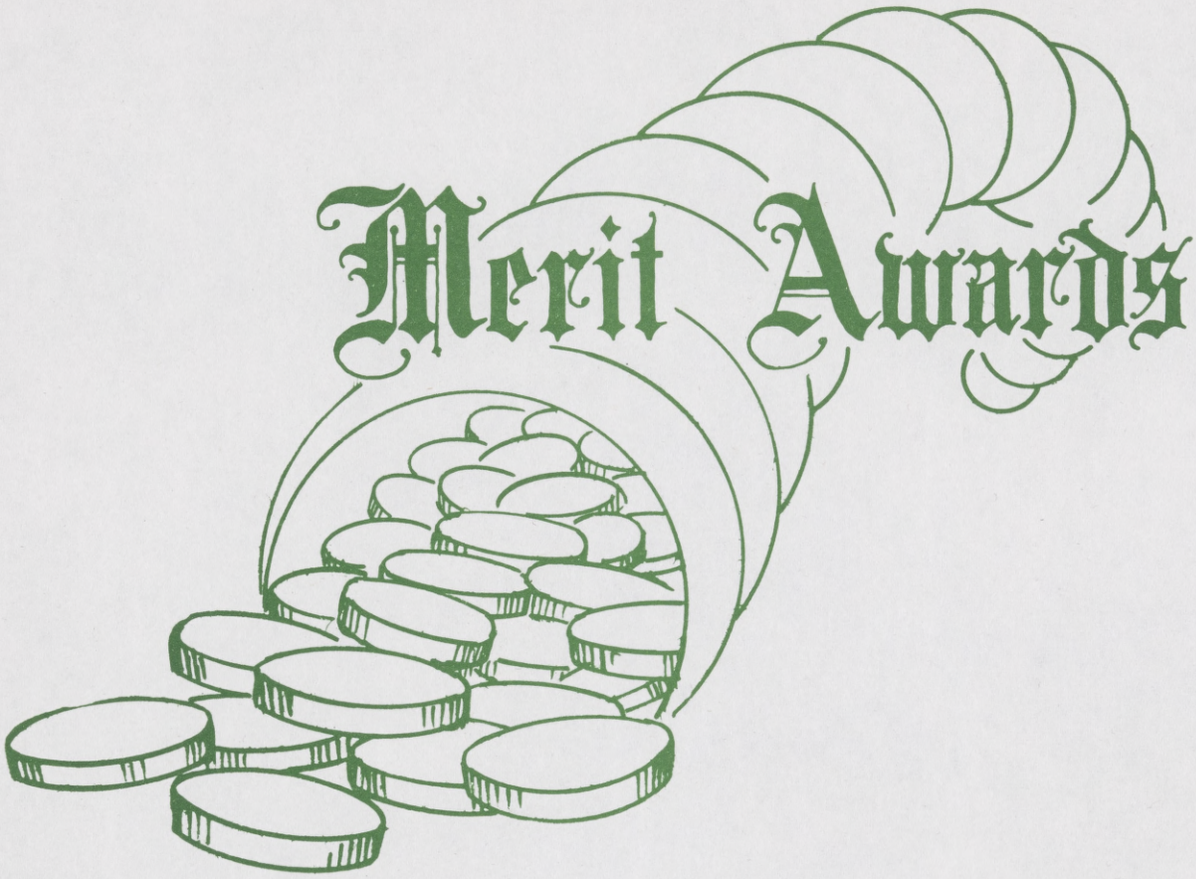




MONEY TALKS

An elderly farmer wrote to a mail order house as follows: "Please send me one of the gasoline engines you show on page 787, and if it's any good, I'll send you a check."

In time he received the following reply: "Please send check. If it's any good, we'll send the engine."



Mr. Glenwood L. Jordan, District III, received a Certificate of Commendation for submitting Merit Award Suggestion No. 49539.

Mr. Jordan rebuilt a discarded washing machine wringer to mechanically crease tar paper planting box pots used by the Davis Headquarters Nursery, thus eliminating present hand creasing.

Mr. Daniel R. Boom, District III, received a cash award of $10 for submitting Merit Award Suggestion No. 45169.

Mr. Boom recommended the binding of Form DPR (Disbursement Voucher) into carbon sets to insure completion of proper number of copies and to increase legibility.



SAFETY



REHABILITATION UNIT TO WORK EXCLUSIVELY WITH CONSERVATION CASES

The Division of Forestry by cooperative agreement with the Department of Vocational Rehabilitation has established a Rehabilitation Unit to work exclusively with Conservation cases.

The Conservation-Rehabilitation Unit is comprised to two counselors, Mr. Gary Barrett and Mr. Jerry Redler, and their offices will be located in Sacramento at Forestry Headquarters. The Unit will be working under the direction of Mr. Mel Pomponio and Mr. John Swanson and will be supervised by Mr. Douglas Clark.

At the present time, the Unit will be handling cases from three pilot Districts: Forestry District I, III, and IV. Mr. Redler will cover the Santa Rosa and Sacramento Districts and Mr. Garrett will cover the Fresno District.

The Rehabilitation Unit will accept those employees as clients who have suffered injuries, chronic illness, or any other medical handicap that acts to prevent the employee from continuing in his present job. The determining of this medical eligibility for rehabilitation will not fall on the Forestry supervisor, but will be ascertained by the counselors. Therefore, if a case is of questionable severity, the supervisor is urged to make the referral and have the medical screening done by the Rehabilitation Unit.

Some of the services provided are aiding in (1) interdepartmental and interagency transfers, (2) on-the-job training, (3) job training at vocationsl schools (public and private), (4) assistance in medical treatment if not covered by insurance (special surgery, physical therapy, etc.), (5) assistance in obtaining prosthetic devices ((glasses, hearing aids, prosthetic limbs, etc.), and other services more explicitly described in circular letter 5-68.

The members of the Rehabilitation Unit will be available to provide training sessions to the various supervisors in the pilot Districts on the full scope of rehabilitation services when the fire season is over, and at the convenience of the pilot Districts.

All members of the Department who feel they may benefit from rehabilitation services are encouraged to see their supervisors, who, in turn, will contact the District offices as they are presently acting as the referral source.

The Rehabilitation Unit can be contacted by calling or writing:

Do. II, IV, V, VI

Gary E. Garrett
1416 Ninth Street
Room 1513
Sacramento, California
95814

Phone: (916) 445-4892

Gerald Redler
1416 Ninth Street
Do. I,
III
Sacramento, California
95814

Phone: (916) 445-3390

PIONEER POSTERS DEPICT EARLY EFFORTS TO ENFORCE FIRE LAWS

Sixty-year-old fire prevention posters are still in circulation although their limited supply makes them a coveted collector's item. A couple of classic cloth-backed samples have turned up in District IV depicting the summer fire problems at the turn of the century. Their law-oriented text makes them interesting reading and shows the early-day concern for fire carelessness.

Form 986.

FOREST FIRES!

The great annual destruction of forests by fire is an injury to all persons and industries. The welfare of every community is dependent upon a cheap and plentiful supply of timber, and a forest cover is the most effective means of preventing floods and maintaining a regular flow of streams used for irrigation and other useful purposes.

To prevent forest fires Congress passed the law approved May 5, 1900, which—

Forbids setting fire to the woods, and

Forbids leaving any fires unextinguished.

This law, for offenses against which officers of the FOREST SERVICE can arrest without warrant, provides as maximum punishment—

A fine of $5,000, or imprisonment for two years, or both, if a fire is set maliciously, and

A fine of $1,000, or imprisonment for one year, or both, if fire results from carelessness.

It also provides that the money from such fines shall be paid to the school fund of the county in which the offense is committed.

THE EXERCISE OF CARE WITH SMALL FIRES IS THE BEST PREVENTIVE OF LARGE ONES. Therefore all persons are requested—

1. **Not to build larger camp fires than are necessary.**
2. **Not to build fires in leaves, rotten wood, or other places where they are likely to spread.**
3. **In windy weather and in dangerous places, to dig holes or clear the ground to confine camp fires.**
4. **To extinguish all fires completely before leaving them, even for a short absence.**
5. **Not to build fires against large or hollow logs, where it is difficult to extinguish them.**
6. **Not to build fires to clear land without informing the nearest officer of the FOREST SERVICE, so that he may assist in controlling them.**

This notice is posted for your benefit and the good of every resident of the region. You are requested to cooperate in preventing its removal or defacement, which acts are punishable by law.

JAMES WILSON,
Secretary of Agriculture.

A 1905 Forest Service poster (Form 986) threatens a fine of $1,000 or a one-year prison term for a carelessly caused fire.

FIRE WARNING!

TO PREVENT the great annual loss of timber and injury to the forest cover which protects the water supply, your attention is called to the following laws and instructions, with the request that you use all influence toward their enforcement. Report of any violation discovered, to a fire warden or to the State Forester, will be appreciated.

LAWS AND PENALTIES.

The law (Stats. 1907:ch.536) makes it punishable by a fine of not less than $25 nor more than $500, or imprisonment for not less than fifteen days nor more than six months, or both, for any person to set fire on any lands not his own, or to allow it to escape from his own land, whereby another's property is injured, except when necessary to check a fire already burning; and

Prescribes a fine of not less than $25 nor more than $500, and corresponding imprisonment, for leaving a camp fire burning or allowing it to spread.

Statutes 1905:ch.235 authorizes all fire wardens to call upon able-bodied male citizens between the ages of sixteen and fifty years for assistance in putting out fires, and for refusal to obey such summons Statutes 1907:ch.536 provides a fine of not less than $10 nor more than $500, and provides, also (Stats. 1907:ch.536)

That it shall be unlawful (with penalty of fine and imprisonment) to use fire for clearing land during a dry season without the permission of a fire warden; or to operate engines or boilers using fuel other than oil, near forest, brush, or grass land, without spark arresters and fire-box protectors; and that, in addition to the fixed penalties, double the amount of damages suffered may be recovered from willful or negligent violators of the fire laws, and that any violator is liable for the expense of fighting the fire.

Section 602 of the Penal Code makes it a punishable misdemeanor to cut, injure, destroy or remove, any wood or timber on the lands of another; while the Civil Code (Section 3346) fixes the measure of damages for such injuries at treble the actual detriment.

INSTRUCTIONS.

Care with small fires is the best preventive of large ones, therefore you are requested to observe these rules:

1. Do not drop burning matches or tobacco where there is anything to catch fire.
2. Fire should not be built in leaves, rotten wood, or other places where it is likely to spread.
3. Camp fires should be as small as will serve and confined by clearing all vegetable matter from the ground around them.
4. A fire *must never* be left, even for a short time, before it is completely out.
5. Fire or explosives *must not* be used to clear land in the dry season without permission from a fire warden.
6. Immediately notify the nearest fire warden, or some peace officer or road overseer, of any fire which you cannot control. Not to do so will make you liable for negligence.

This notice is posted for your good and that of the community. Its injury or removal is punishable by law. For full information concerning forest laws, address

APPROVED BY THE
STATE BOARD OF FORESTRY,
April 18, 1907.

State Forester,
Sacramento, Cal.

A 1907 California Division of Forestry poster cites 1907 Statutes to make the public conscious of forest fire danger.

DON PORTER, U.S. FOREST SERVICE SPOKESMAN, PROMOTED TO SAN FRANCISCO

Don K. Porter, Public Information Officer for the U.S. Forest Service at Pasadena for the past ten years, was promoted to San Francisco, according to William T. Dresser, Angeles National Forest Supervisor.

Porter, 42 assumed the position of Assistant Chief of the Division of Information and Education in the Forest Service Regional Office in the Bay Area. The Regional Office serves Forest Service activities in California and Hawaii.

ACCUMULOCK PARKING DEVICES WERE INSTALLED ON AUTOMATIC TRANSMISSIONS VEHICLES FOR SAFETY

Walt Harkness, Forestry Equipment Engineer, reports that 36 accumulock parking devices were installed on automatic transmission equipped vehicles (buses and firetrucks) throughout all six Districts. There appears to be no problem in installation, operation, or maintenance of the accumulock. Walt recommends that the Division go ahead with the installation of these devices on all units now equipped with the electric micro hydraulic brake holding device.

He also recommends that this installation be made on all vehicles that do not have a park position on the transmission control quadrant.

The equipment engineers are to be commended for their efforts in providing safety devices for your protection. Let's be sure and make their concern pay off by using these devices to prevent accidents and injuries.

FIRE PREVENTION TRAINING GIVEN TO DIVISION OF HIGHWAYS EMPLOYEES

Associate Ranger O. T. Monsen advises that as a result of several fires caused by Division of Highways mowing machines, a training meeting was held in Oroville for most of the Division of Highways employees in Butte County.

The main purpose of the meeting was to advise Highways employees of the need for carrying adequate fire fighting equipment on their machines. The program was presented by Fire Prevention Officers Bill Teer, Arlen Cartwright, and Fred Trask, and covered forest and fire laws, use and maintenance of fire-fighting equipment and fire prevention practices.

Mr. Don Calvin, attending for Area Superintendent Harold Richins, informed Teer that back pumps have now been installed on all mowing machines in the Butte County Area.

Ranger Monsen feels that with a little encouragement from the Division of Forestry, back pumps could become a standard item on all Division of Highways mowing machines and any other equipment used in roadside hazard reduction work.

SEAT BELTS DO IT AGAIN

Would you believe that a truck driver and firefighter could survive an accident where their heavy fire truck rolled over five times down a 50% slope for a distance of 120 feet? Well it happened with only minor lumps and bruises, thanks to seat belts that kept them in place.

The accident came about when their truck slipped off the outside shoulder of a dirt road as they pulled over to let another approaching fire truck go by.

Damage to the truck was extensive: caved in cab, both fenders and good smashed, both live reels crushed, tool carrying rack destroyed and crushed right door.

Both employees credit their belts for saving their lives!



REPEATERS

You have to hand it to the editors of the newspaper in Kaingaroa, New Zealand, which announces on it mastheads "Opinions expressed in this periodical are not necessarily condoned or even understood by the editorial staff."—*Arkansas Baptist.*



PERSONNEL

25-YEAR SERVICE AWARDS

FOR STATE SERVICE

Earl A. Mason

Francis W. Bradford

Ora L. Shearman

John A. Pfeifer

Louis Gerlinger